```
#include <stdio.h>
typedef
        union{
                float x;
                struct{
                        unsigned f:23;
                        unsigned e:8;
                        unsigned s:1;
                } p;
        } print_fp_value;
int main()
{
        print_fp_value num;
        printf("Single precision FP value: ");
    scanf("%f",&num.x);
        printf("₩nS: %d",num.p.s);
        printf("₩nE: ");
        for(int i=7;i>=0;--i)
                printf("%d",(num.p.e>>i)&1);
        printf("₩nF: ");
        for(int i=22;i>=0;--i)
                printf("%d",(num.p.f>>i)&1);
}
```

f·· m· × b· c·· d· e·· i.c

```c
#include <stdio.h>
typedef
    union{
        float x;
        struct{
            unsigned f:23;
            unsigned e:8;
            unsigned s:1;
        } p;
    } print_fp_value;
int main()
{
    print_fp_value num;
    printf("Single precision FP value: ");
    scanf("%f",&num.x);

    printf("\nS: %d",num.p.s);

    printf("\nE: ");
    for(int i=7;i>=0;--i)
        printf("%d",(num.p.e>>i)&1);

    printf("\nF: ");
    for(int i=22;i>=0;--i)
        printf("%d",(num.p.f>>i)&1);
}
```

디버그 | 터미널 | 검색 | 리소스 모니터 | 린트 | run /workspace/C

초기화 종료 gcc /workspace/C/src/main.c -o /tmp/a.out && /tmp/a.out

```
Single precision FP value: 125.11

S: 0
E: 10000101
F: 11110100011100001010010root@goorm:/workspace/C# ^C
gcc /workspace/C/src/main.c -o /tmp/a.out && /tmp/a.out
root@goorm:/workspace/C# gcc /workspace/C/src/main.c -o /tmp/a.out &&
/tmp/a.out
Single precision FP value: -0.75

S: 1
E: 01111110
F: 10000000000000000000000root@goorm:/workspace/C#
```